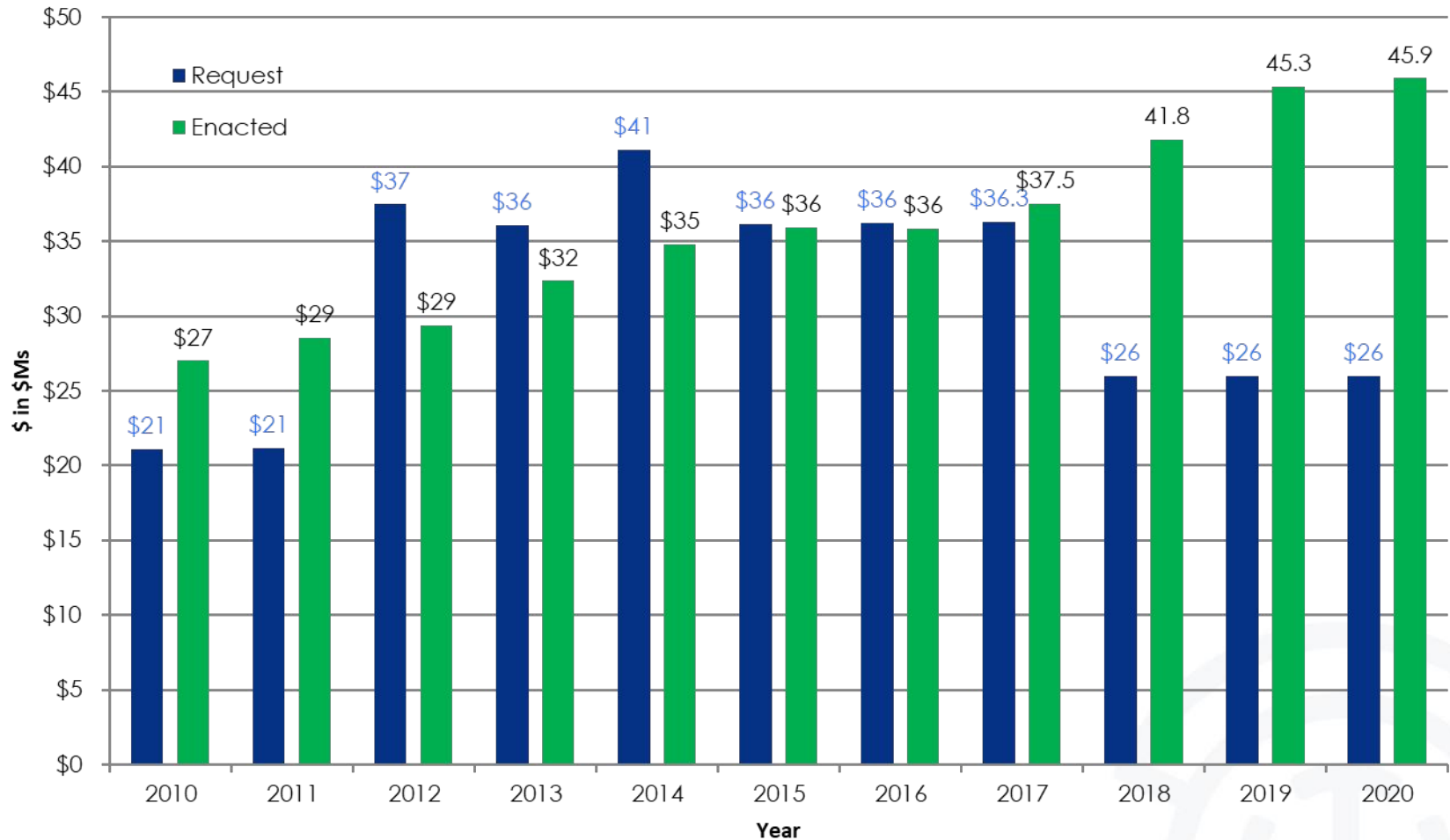


U.S. IOOS Enacted and President's Budgets FY10-20

NOS IOOS Request & Appropriation History Part of the Story – not including 'backbone and global'



NOAA National Ocean Service - Navigation, Observations, and Positioning: 'National

IOOS' component FY20 Omnibus \$6.9M & 'Regional IOOS Observations' \$39M

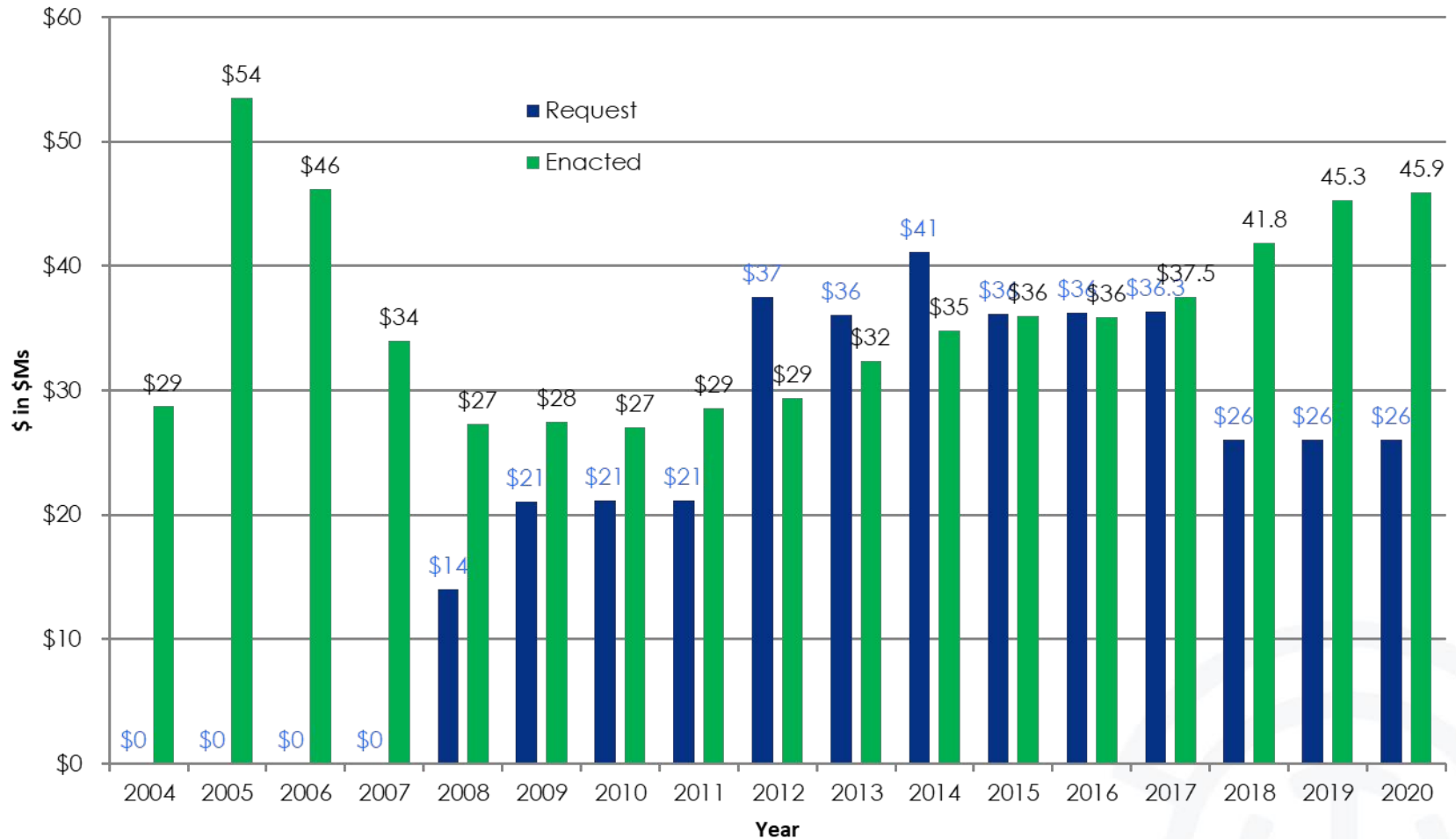
- FY20 includes \$1M for HAB observing and \$1.5M increase to fill gaps (Regional Ocean

Partnerships are funded in Office for Coastal Management at \$1.5M

- 'Request' = the President's Budget Request – 'Enacted' levels are post rescission totals

U.S. IOOS Enacted and President's Budgets FY04-20

NOS IOOS Request & Appropriation History Part of the Story – not including 'backbone and global'



NOAA National Ocean Service - Navigation, Observations, and Positioning: 'National

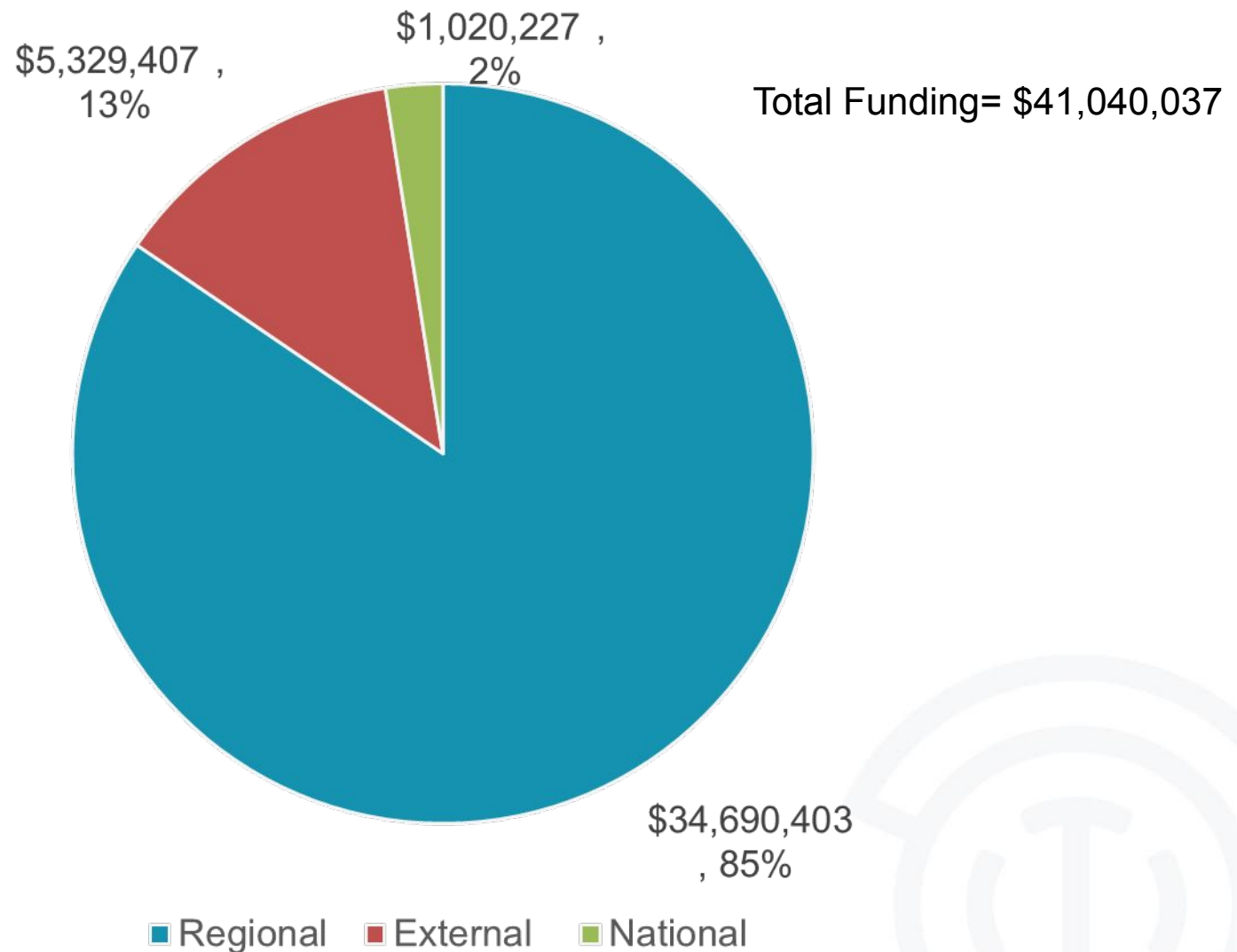
IOOS' component FY20 Omnibus \$6.9M & 'Regional IOOS Observations' \$39M

- FY20 includes \$1M for HAB observing and \$1.5M increase to fill gaps (Regional Ocean

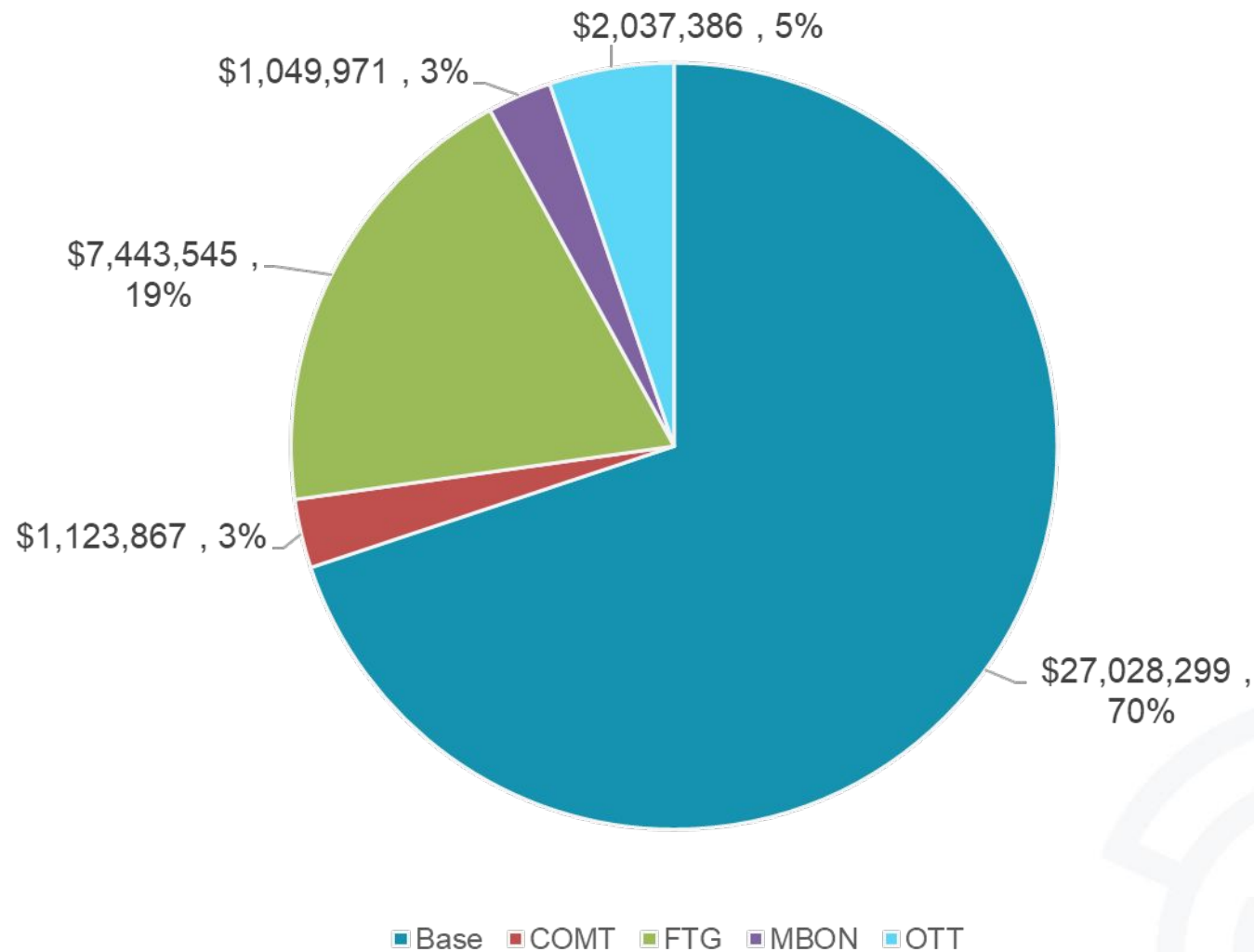
Partnerships are funded in Office for Coastal Management at \$1.5M

- 'Request' = the President's Budget Request – 'Enacted' levels are post rescission totals

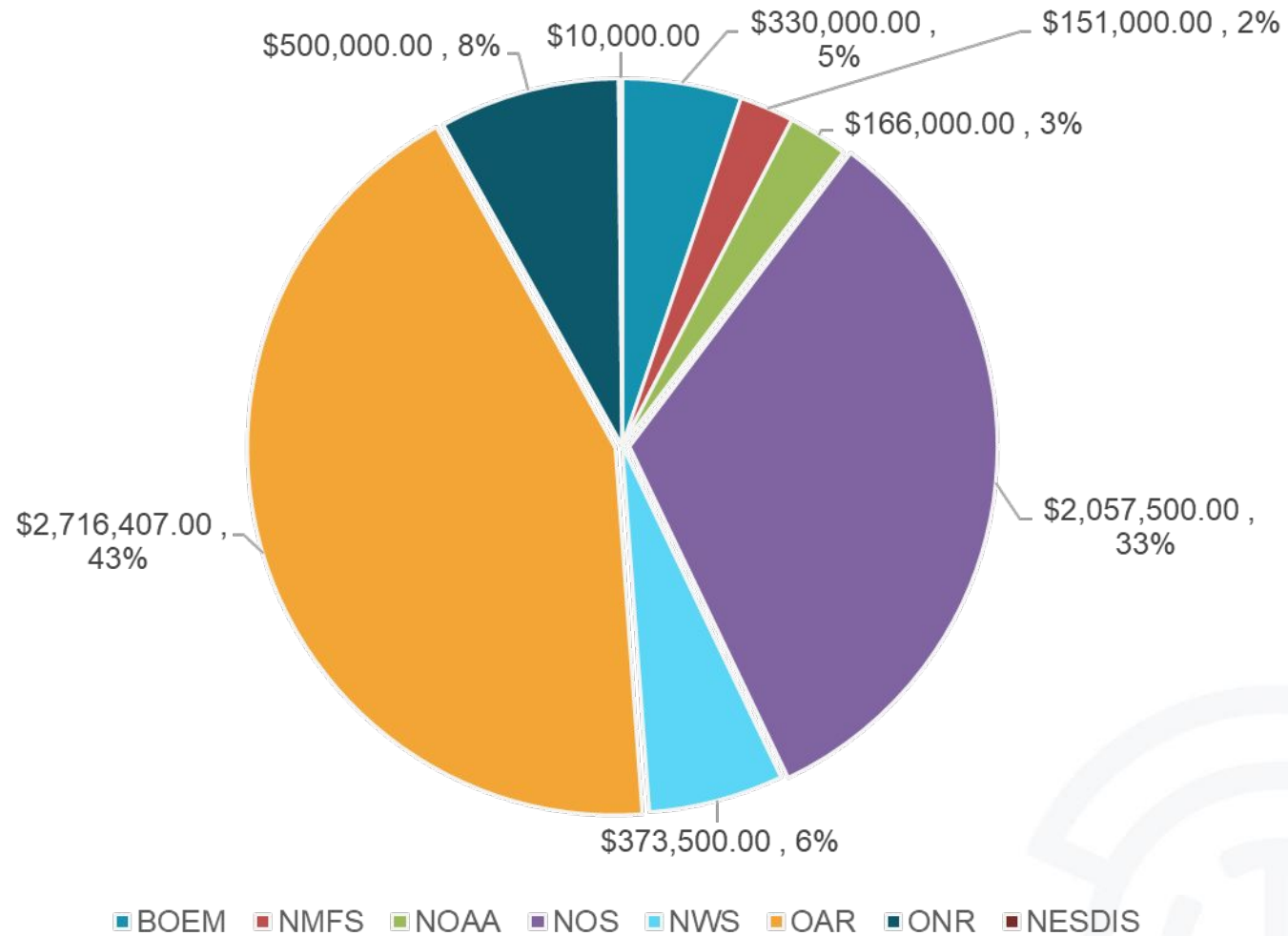
FY 19 Total 'to RA' Funding by Source



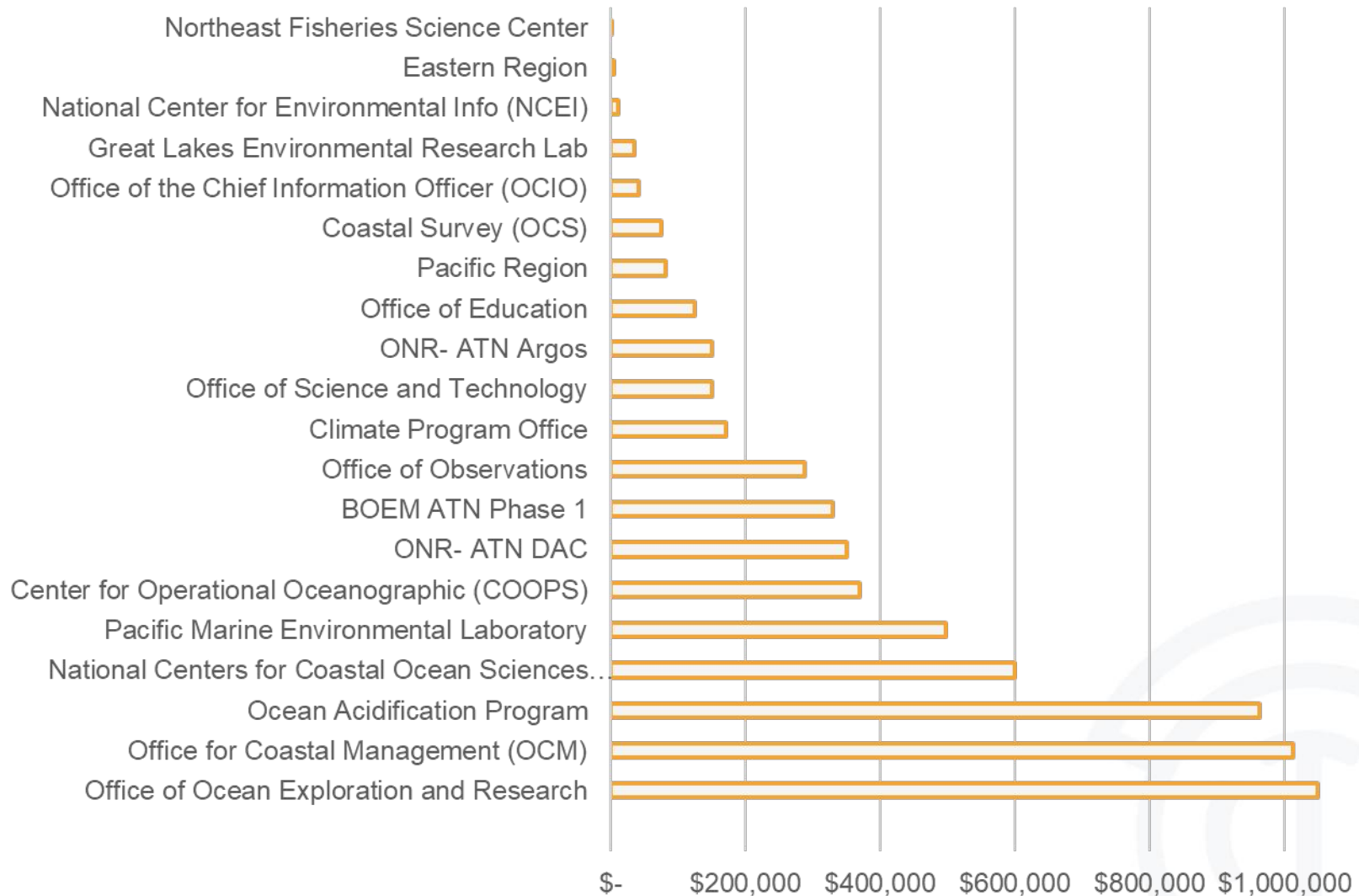
FY 19 IOOS Office Regional \$38.5M



FY 19 Funds Transferred In by Line Office/Agency



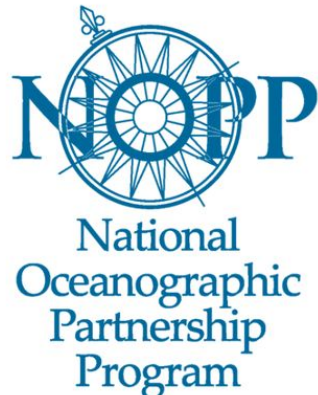
FY 19 Funds Transferred In by Program



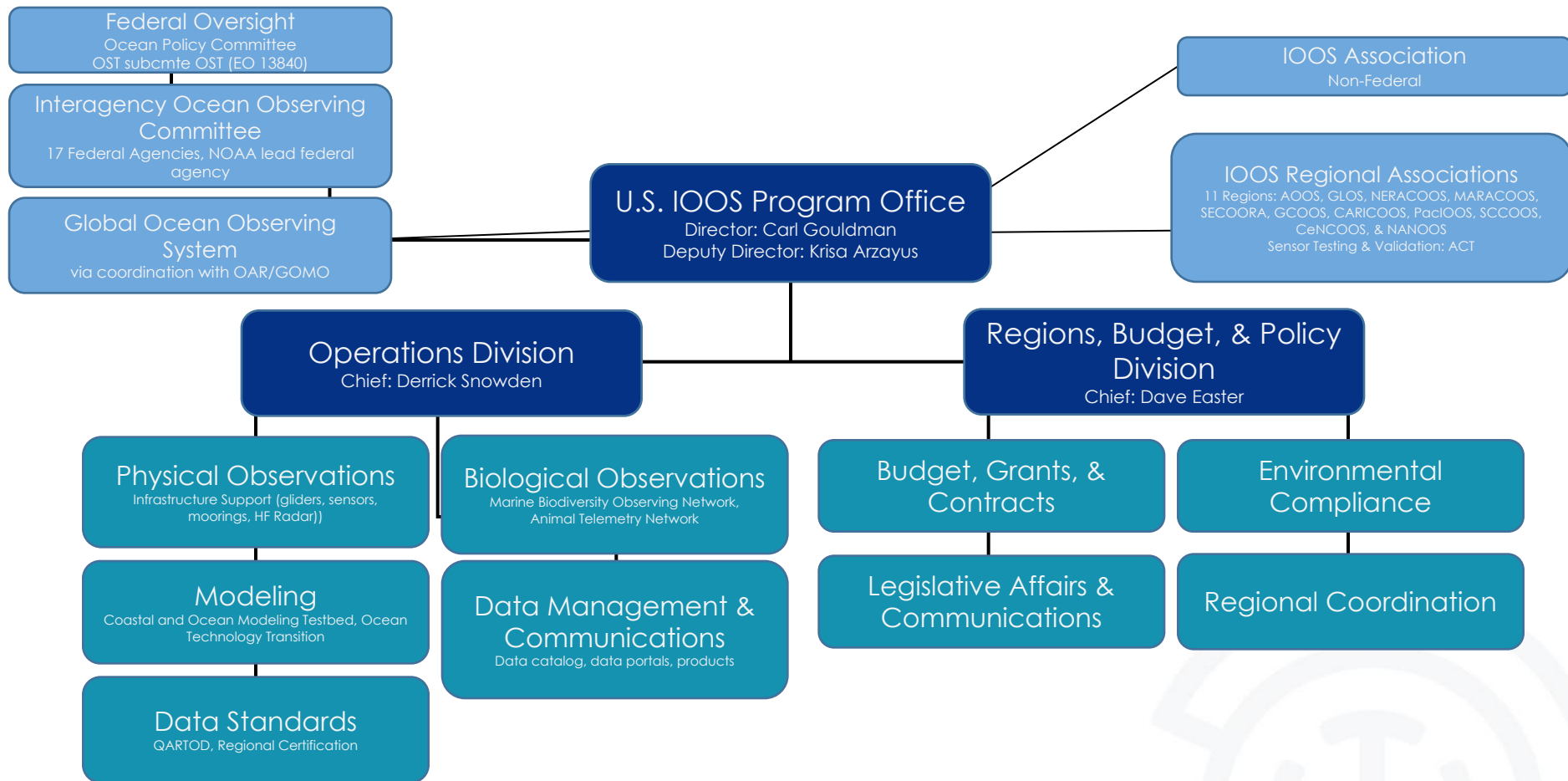
FY 19 Top Projects for Funds Transferred In

\$1M- NOPP
\$850K- NOAA
Water Initiative

\$963K- Ocean
Acidification Program
\$600K- Harmful Algal
Blooms



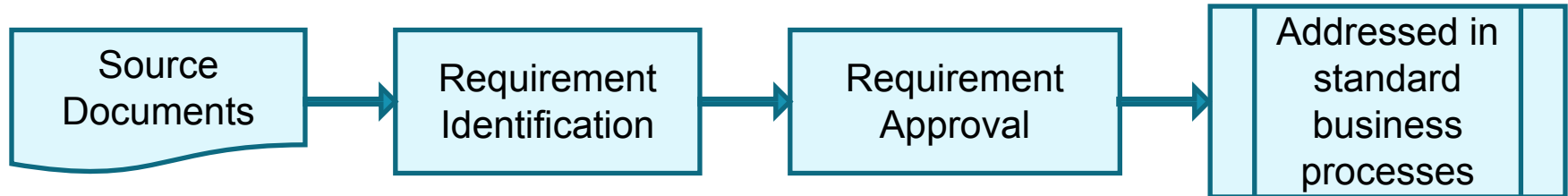
Who we are and where we are (it's a little unique)



FY 19 MBON project totals- IOOC

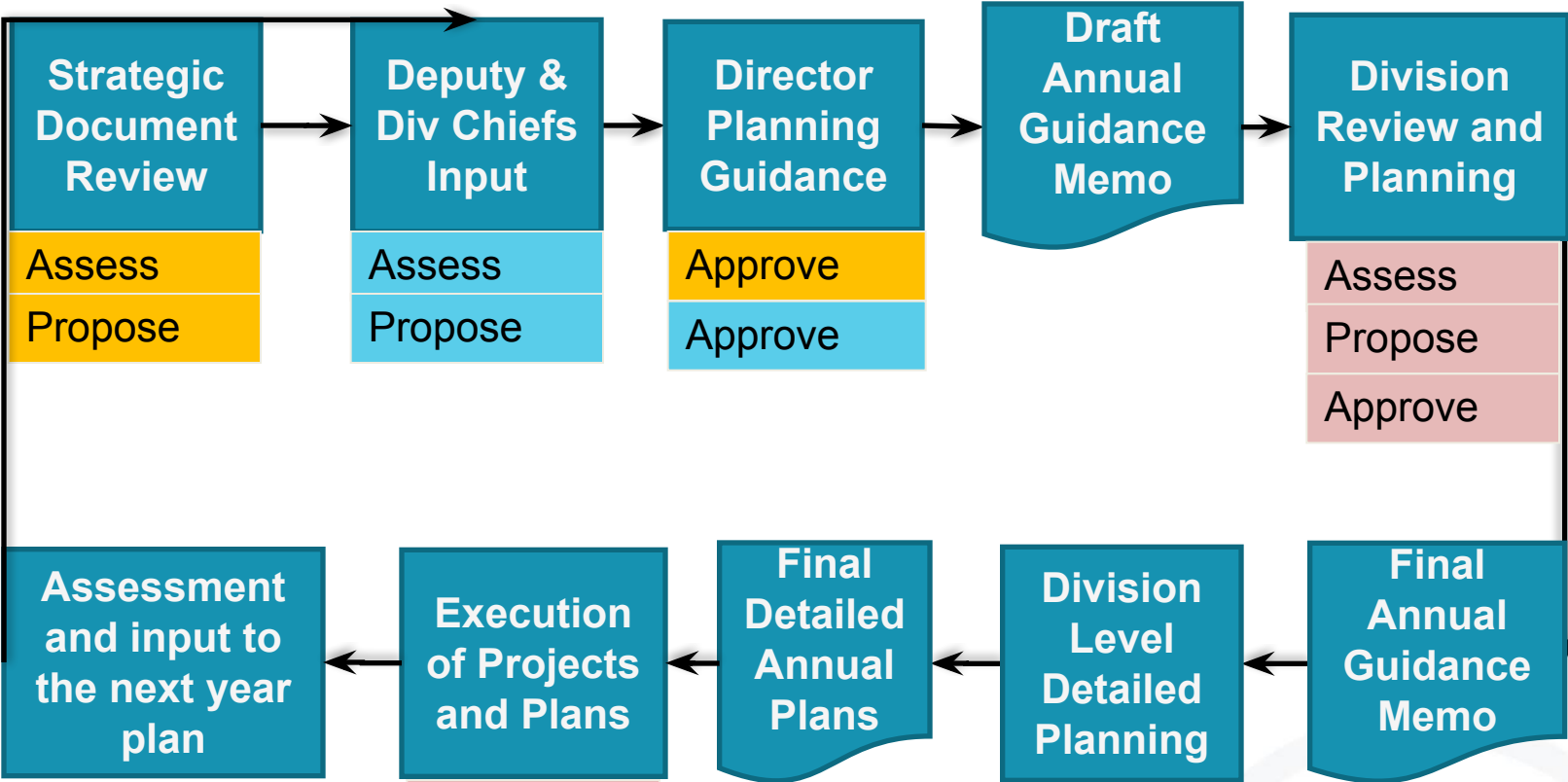
Backup Slides

Requirements Management



Level	Sources	Approval	Addressed in
High	ICOOS Act Congress OMB NOAA IOOC	Director	Annual Planning Process
Medium	IOOS Strategic Plan Implementation Plans	Director	Annual Planning Process
Low	IT user requirements Project plans	Division Chief	Software development (Trello Tracking) Projects

Annual Planning Cycle - Requirements Assessment and Integration



Requirements

High Level

Med Level




























Low Level

System, Sub-system and Activity level ratings

	Definition
	No capability
⊕	N/A – will never have this capability
⊕	Some capability in less than half the Blueprint identified sub activities
⊕	Some capability in more than half the Blueprint identified sub activities
⊕	Some capability in all the Blueprint identified sub activities
●	Full capability in all the Blueprint identified sub activities





































Sub-activity level - consideration
organizational work experience, personnel
available, skill sets, resources, defined
procedures and infrastructure requirements

U.S. IOOS - Overview

	Apr 2011	Feb 2012	Oct 2013	Oct 2014
U.S. IOOS				
A.1 Governance and Management				
B.1 Observing Systems Subsystem				
B.2 DMAC Subsystem				
B.3 Modeling and Analysis Subsystem				
C.1 Research and Development				
D.1 Training and Education				














Green highlight shows areas of improvement

A.1 Governance and Management - OVERVIEW

	Apr 2011	Feb 2012	Oct 2013	Oct 2014
A.1 Governance and Management				
A.1.1 User Councils				
A.1.2 Financial Management				
A.1.3 Policy				
A.1.4 Plans and Ops				
A.1.5 Human Resources				
A.1.6 Acquisition and Grants				
A.1.7 Marketing, Outreach and Engagement				
A.1.8 IT Support				

Green highlight shows areas of improvement

B.1 Observing Systems Subsystem - OVERVIEW

	Apr 2011	Feb 2012	Oct 2013	Oct 2014
B.1 Observing Systems Subsystem				
B.1.1 Observing Subsystem Management				
B.1.2 Surveys				
B.1.3 Optimization Studies				
B.1.4 Asset Management				

















Green highlight shows areas of improvement

B.2 DMAC Subsystem - OVERVIEW

	Apr 2011	Feb 2012	Oct 2013	Oct 2014
B.2 DMAC Subsystem				
B.2.1 Register Data Providers				
B.2.2 Manage Data Providers				
B.2.3 Deregister Data Providers				
B.2.4 Standards Management				
B.2.5 Utility Services Management				
B.2.6 Utility Services Development				
B.2.7 Data Services and Component Development				
B.2.8 Data Services and Component Management				
B.2.9 Configuration Control				












Green highlight shows areas of improvement

B.3 Modeling and Analysis Subsystem - OVERVIEW

	Apr 2011	Feb 2012	Oct 2013	Oct 2014
B.3 Modeling and Analysis Subsystem				
B.3.1 Customer Needs				
B.3.2 Sponsored Models				
B.3.3 MOU Management				
B.3.4 Publish Standards				













Green highlight shows areas of improvement

C.1 Research and Development - OVERVIEW

	Apr 2011	Feb 2012	Oct 2013	Oct 2014
C.1 Research and Development				
C.1.1 Requirements Determination				
C.1.2 Coordinate R&D Programs				
C.1.3 R&D Pilot Projects				
C.1.4 Technical Assessments				
C.1.5 Technology Enhancements				
C.1.6 Technology Transition				

Green highlight shows areas of improvement

D.1 Training and Education - OVERVIEW

	Apr 2011	Feb 2012	Oct 2013	Oct 2014
D.1 Training and Education				
D.1.1 Training and Education Strategy and Plans Development				
D.1.2 Training and Curriculum Development				
D.1.3 Training and Education Pilot Projects				
D.1.4 Assessments				
D.1.5 Collaboration with Education Delivery Managers				
D.1.6 Professional Certifications				

Green highlight shows areas of improvement

Back Up Temp

Code FY14 Program Office Division-level Gantt work plans in terms of the US IOOS Blueprint for FC Review Gantt activities in each division organized by Blueprint functional activity codes

Assess Gantt and non-Gantt activities in each division in terms of Blueprint functions and activities

Assess cumulative effect of functions and activities across divisions

Consider contributions by Regional and Federal Partners

Summarize findings at activity, function, subsystem and IOOS level

Conclusions

- Capability improvement in four of six subsystems

- Half now have some capability in all CFAs

- Capability improvement in 21 CFAs

- Partner contributions improved ratings in seven CFAs

- Mission analysis allowed identification of “null” capability sets (i.e. organizations that will never have a particular capability).